

**CODE SELECTOR  
CALL THROUGH TESTS  
FROM ASSOCIATED AUXILIARY TRUNK CIRCUIT  
USING DIAL HAND TEST SET  
STEP-BY-STEP SYSTEMS**

**1. GENERAL**

**1.01** This section describes a method of testing the operating features of code selectors, such as SD-95898-01, associated with auxiliary trunk circuit SD-32281-01 in No. 1, 350A, 355A, and 360A step-by-step offices. The tests are made at the test jack of the auxiliary trunk circuit in the local office, using a dial hand test set.

**1.02** The tests covered are:

**A. Operation Test — Loop:** This test checks the ability of the code selector in the local office to absorb digits, restrict service where so arranged, direct calls to the distant CAMA office or to service points in the local office, and to release upon disconnect by the subscriber.

**B. Operation Test — Loop — Trunk Transfer:** This test checks that service calls which normally would be answered at the local office are transferred to the CAMA office for answer when the trunk transfer key at the local office is in its operated position.

**1.03** Test A should be performed only when the trunk transfer key is in its normal position, and Test B only when the key is in its operated position. This key should not be operated by the tester and Test B should only be made when the key has been moved to the desired position for trunk transfer reasons.

**1.04** These tests require action and verification at the operating room desk or test desk.

**1.05** In performing these tests, office records should be consulted to determine which digits should be absorbed, and which digits will direct the call to the local office or to the CAMA office.

**1.06** In performing Test A, a different level should be used for each testing cycle whenever possible so that eventually all levels will be tested.

**1.07 Lettered Steps:** A letter a, b, c, etc, added to a step number in Part 3 of this section, indicates an action which may or may not be required depending on local conditions. The condition under which a lettered step or a series of lettered steps should be made is given in the ACTION column, and all steps governed by the same condition are designated by the same letter within a test. Where a condition does not apply, all steps designated by that letter should be omitted.

**1.08** Local instructions should be followed for recording and reporting any register operations caused by performing these tests.

**2. APPARATUS**

**All Tests**

**2.01** No. 1011G dial hand test set (handset), equipped with a No. 2W39A cord, consisting of a W2CL cord, a No. 471A jack, and a No. 240A plug.

**2.02** Auxiliary trunk circuit, SD-32281-01.

## 3. METHOD

STEP	ACTION	VERIFICATION
<b>A. Operation Test — Loop</b>		
1	At local office — With handset cord switch in OFF position and handset switch in MON position, insert No. 240A plug into test jack of auxiliary trunk associated with code selector under test.	Code selector idle, no conversation, tone heard. <b>Note:</b> If circuit is busy, disconnect from trunk circuit and proceed to next auxiliary trunk circuit.
2	Operate handset switch to TALK position.	
3a	If code selector is arranged to restrict service on certain levels — Dial level so arranged.	Selector steps to level dialed, rotates to eleventh rotary step. Busy tone heard.
4a	Operate handset switch to MON position.	Selector releases.
5a	Operate handset switch to TALK position.	
6b	If selector is arranged to absorb on certain levels repeatedly — Dial level so arranged at least twice.	Selector steps to level dialed, selector shaft restores to normal after each digit dialed.
7c	If selector is arranged to absorb first digit only on certain levels — Dial level so arranged.	Selector steps to level dialed, selector shaft restores to normal after initial digit.
<b>Service Call to Local Office</b>		
8	Dial digit that will direct selector to service trunk in local office, such as information, repair service, or testboard. <b>Note:</b> If all trunks on this level are busy, busy tone will be heard. Operate handset switch to MON position to release selector, then after a slight delay, repeat Step 8 again.	Selector steps to level dialed, cuts in on idle trunk. Trunk LC relay operates. Ringing induction heard in receiver. At switchboard or desk — Call is answered. Ringing induction silenced. Advise that test is being made. Verify that call is terminated in local office.
9	Operate handset switch to MON position.	Selector releases. Auxiliary trunk circuit releases.
<b>Service Call to CAMA Office</b>		
10	Operate handset switch to TALK position.	
11	Dial digit that will direct selector in CAMA office to service code trunk, such as information, repair service, or testboard. <b>Note:</b> If all trunks on this level are busy, busy tone will be heard. Operate handset to MON position to release selector in CAMA office, then after a slight delay, repeat Step 11.	At local office — Selector steps to level dialed, restores to normal. Trunk CC relay operates. At CAMA office — Selector steps to level dialed, cuts in on idle trunk. At switchboard, or desk — Call is answered. Ringing induction silenced. Advise that a test is being made. Verify that call is terminated in CAMA office.

STEP	ACTION	VERIFICATION
12	Operate handset switch to MON position.	Selector at CAMA office releases. Auxiliary trunk circuit releases.

**All Selectors**

- 13 Unless other tests are to be made on either selector, remove No. 240A plug from auxiliary trunk jack and repeat tests on remaining code selectors.

**B. Operation Test — Loop — Trunk Transfer**

**Note:** This test should be made only at those times when trunk transfer key has been moved to its operated position for trunk transfer purposes.

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| 1  | In local office —<br>With handset cord switch in OFF position and handset switch in MON position, insert No. 240A plug into test jack of auxiliary trunk circuit associated with code selector under test. | Code selector idle, no conversation, tone heard.<br><br><b>Note:</b> If circuit is busy, disconnect from trunk circuit and proceed to next auxiliary trunk circuit.   |
| 2  | Operate handset switch to TALK position.   |   |
| 3a | If selector is arranged to absorb initial digit on level under test —<br>Dial initial digit.   | Selector steps smoothly to level dialed, selector shaft restores to normal.   |
| 4a | Dial level assigned to service trunks controlled by trunk transfer key.  | Selector steps smoothly to level dialed, cuts in on idle trunk.<br>Trunk CC relay operates.<br>At switchboard, or desk in CAMA office —<br>Advise that test is being made.<br>Verify that call is in CAMA office. |
| 5a | Operate handset switch to MON position.  | Selector releases.<br>Trunk circuit restores to normal.   |
| 6  | Unless other tests are to be made, remove No. 240A plug from auxiliary trunk circuit jack and repeat test on remaining code selectors.   |   |